

We claim:

1. A scent storage device, comprising:
a base member;
5 a scent material supply carried by the base member; and
a scent activation system carried by the base member, initially configured such that the scent activation system selectively activates a first predetermined portion of the scent material supply in response to the application of a first energy pulse without activating a second predetermined portion of the scent material supply, and adapted to be
10 reconfigured by the first energy pulse such that the second predetermined portion of the scent material supply will be activated in response to the application of a second energy pulse.
2. A scent storage device as claimed in claim 1, wherein the base member comprises a relatively small card.
- 15 3. A scent storage device as claimed in claim 1, wherein the scent material supply comprises a solid material that will vaporize in response to an application of heat and a scent material.
4. A scent storage device as claimed in claim 3, wherein the solid material comprises wax.
- 20 5. A scent storage device as claimed in claim 1, wherein the scent material supply comprises a plurality of individual scent material supplies and the scent activation system comprises a plurality of individual scent activation systems respectively associated with the plurality of scent material supplies.
6. A scent storage device as claimed in claim 1, wherein the scent
25 activation system comprises a passive sequential resistor array.
7. A scent storage device as claimed in claim 1, wherein the scent activation system comprises a series of electrically isolated conductor members, a

corresponding series of switches that selectively electrically connect the conductor members, and a corresponding series of resistors respectively associated with the conductor members.

8. A scent storage device as claimed in claim 7, wherein the switches are
5 formed from a material that is initially substantially non-conductive and that becomes conductive in response to an application of heat from a resistor.

9. A scent storage device as claimed in claim 1, wherein the activation system is located substantially between the base member and the scent material supply.

10. A scent storage device as claimed in claim 1, wherein the scent material supply comprises an elongate unitary structure including the predetermined portions.

11. A method of providing a scent, comprising the steps of:
providing a scent storage device including a base member, a scent
material supply carried by the base member, and a scent activation system that
15 selectively activates predetermined portions of the scent material supply;
inserting the scent storage device into a scent delivery device; and
activating a predetermined portion of the scent material.

12. A method as claimed in claim 11, wherein the step of activating a
predetermined portion of the scent material comprises directing a predetermined
20 power pulse from the scent delivery device to the scent activation system.

13. A method as claimed in claim 11, further comprising the step of
activating another predetermined portion of the scent material by directing another
predetermined power pulse from the scent delivery device to the scent activation
system.

14. A scent storage device, comprising:
25 a base member; and

a plurality of scent channels carried by the base member, each scent channel including a scent material supply and a scent activation system that selectively activates predetermined portions of the scent material supply.

15 15. A scent storage device as claimed in claim 14, wherein the base member comprises a relatively small card.

16. A scent storage device as claimed in claim 14, wherein the scent material supplies comprise a solid material that will vaporize in response to an application of heat and a scent material.

10 17. A scent storage device as claimed in claim 16, wherein the solid material comprises wax.

18. A scent storage device as claimed in claim 14, wherein the scent activation systems each comprise a passive sequential resistor array.

15 19. A scent storage device as claimed in claim 14, wherein the scent activation systems each comprise a series of electrically isolated conductor members, a corresponding series of switches that selectively electrically connect the conductor members, and a corresponding series of resistors respectively associated with the conductor members.

20 20. A scent storage device as claimed in claim 19, wherein the switches are formed from a material that is initially substantially non-conductive and that becomes conductive in response to an application of heat from a resistor.

21. A scent storage device as claimed in claim 14, wherein the activation systems are located substantially between the base member and the scent material supplies.

22. A scent storage device as claimed in claim 14, wherein the scent material supplies comprise an elongate unitary structure including the predetermined portions.

- 5 23. A method of providing a scent, comprising the steps of:
providing the scent storage device claimed in claim 1;
inserting the scent storage device into a scent delivery device; and
activating a predetermined portion of the scent material.

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